

Claims

1. Method for synchronizing data streams containing video,  
 audio and/or other data, wherein some of the data streams  
 5 are pre-recorded in a basic AV data stream multiplex on a  
 storage medium, wherein a navigation file  
 (List\_of\_PlayItems) comprises descriptors (PlayItem,  
 SubPlayItem) pointing to parts of said data streams,  
 wherein said descriptors define the arrangement in time  
 10 for said data streams by means of data sub stream paths.
2. Method according to claim 1, wherein some of the data  
 streams are located out of the basic AV data stream mul-  
 tiplex on the storage medium.
- 15 3. Method according to claim 1 or 2, wherein said descrip-  
 tors define the synchronization of components concerning  
 their relative relation in time.
- 20 4. Method according to claim 3, wherein the start and end  
 time of the separate components is defined.
5. Method according to claim 1 or 2, wherein said descrip-  
 tors define the synchronization of components concerning  
 25 their switching.
6. Method according to claim 5, wherein points in time and  
 in the binary stream were the decoding of one component  
 can be substituted by decoding another component are de-  
 30 fined.
7. Method according to any of claims 1 to 5, wherein the  
 format of the PlayItems and SubPlayItems data streams is  
 an MPEG transport stream, wherein the data stream of a  
 35 SubPlayItem does not contain a Program Association Table  
 but a Program Map Table whose PID is not used within the  
 data streams of PlayItems.

8. Apparatus for performing a method according to any of claims 1 to 6.